



FAKULTAS  
TEKNOLOGI INDUSTRI  
FACULTY OF  
INDUSTRIAL TECHNOLOGY

# TRANSKRIP / ACADEMIC TRANSCRIPT

Jurusan / Department : Teknik Elektro / Electrical Engineering  
Nama / Name : Gilang Wilfanur  
NRP / ID No : 2205100181  
Tempat, Tgl Lahir /  
Place, date of birth : Pekanbaru  
4 November 1987  
Gelar / Degree : Sarjana Teknik (S.T.)

Indeks Prestasi / GPA : 3.16  
Tahun Masuk / Entrance Year : 2005  
Tahun Lulus / Graduation Year : 2010  
Lama Studi / Length of Study : 9 semester  
Predikat / Predicate : Sangat Memuaskan / Very Satisfactory

No	Kode Code	Mata Kuliah Subject	Skor Score	Kr Cr	Nilai Grade
1	RE1210	Pengantar Teknik Elektro <i>Introduction to Electrical Engr.</i>	1	2	AB
2	RE1211	Pengantar Sistem Telekomunikasi <i>Introduction to Telecommunication System</i>	1	2	A
3	RE1213	Praktikum Pemrograman Komputer <i>Computer Programming Experiment</i>	1	1	BC
4	RE1310	Pemrograman Komputer <i>Computer and Programming</i>	1	2	AB
5	RE1319	Aljabar Vektor & Kompleks <i>Vector and Complex Algebra</i>	1	3	AB
6	UF1201	Fisika Dasar I <i>Basic Physics I</i>	1	3	A
7	UG1201	Bahasa Inggris <i>English</i>	1	2	A
8	UM1201	Kalkulus I <i>Calculus I</i>	1	3	A
9	RE1225	Probabilitas Dan Statistik <i>Probability and Statistics</i>	2	2	AB
10	RE1320	Rangkaian Listrik I <i>Electric Circuit I</i>	2	3	AB
11	RE1321	Praktikum Pengantar Sistem Telekomunikasi <i>Introduction to Telecom. System Lab</i>	2	1	B
12	RE1322	Rangkaian Logika <i>Logic Circuit</i>	2	3	BC
13	RE1323	Pengukuran Besaran Listrik <i>Electrical Measurement</i>	2	2	AB
14	RE1324	Praktikum Pengukuran Listrik <i>Electric Measurement Lab.</i>	2	1	B
15	UF1202	Fisika Dasar II <i>Basic Physics II</i>	2	3	AB
16	UM1202	Kalkulus II <i>Calculus II</i>	2	3	AB
17	RE1296	Praktikum Fisika Dasar II <i>Basic Physics Lab. II</i>	3	1	B
18	RE1330	Dasar Elektronika <i>Basic Electronics</i>	3	3	C
19	RE1331	Rangkaian Listrik II <i>Electric Circuit II</i>	3	2	B
20	RE1332	Matematika Teknik I <i>Engineering Mathematic I</i>	3	3	A
21	RE1333	Praktikum Rangkaian Logika <i>Logic Circuit Lab.</i>	3	1	B
22	RE1334	Konversi Tenaga Listrik I <i>Electrics Power Conversion I</i>	3	2	BC
23	RE1335	Medan Elektromagnetik I <i>Electromagnetics I</i>	3	3	B

No	Kode Code	Mata Kuliah Subject	Skor Score	Kr Cr	Nilai Grade
24	RE1336	Sistem Linier <i>Linear System</i>	3	3	B
25	RE1337	Metode Numerik <i>Numerical Methods</i>	3	2	AB
26	RE1340	Sistem Pengaturan I <i>Control System I</i>	4	3	B
27	RE1341	Rangkaian Elektronika <i>Electronic Circuits</i>	4	3	BC
28	RE1342	Praktikum Rangkaian Listrik <i>Electric Circuit Lab.</i>	4	1	AB
29	RE1343	Matematika Teknik II <i>Engineering Mathematic II</i>	4	3	BC
30	RE1344	Komunikasi Data <i>Data Communication</i>	4	2	A
31	RE1345	Konversi Tenaga Listrik II <i>Electrics Power Conversion II</i>	4	2	BC
32	RE1346	Medan Elektromagnetik II <i>Electromagnetics II</i>	4	2	C
33	RE1347	Arsitektur Sistem Komputer <i>Computer System Architecture</i>	4	2	C
34	RE1348	Teknik Komputasi <i>Computation Engineering</i>	4	2	AB
35	RE1350	Proses Stokastik <i>Stochastics Processes</i>	5	2	AB
36	RE1351	Sistem Pengaturan II <i>Control System II</i>	5	2	AB
37	RE1352	Praktikum Elektronika <i>Electronics Lab.</i>	5	1	B
38	RE1353	Rangkaian Op-Amp <i>Op-Amp Circuit</i>	5	3	C
39	RE1354	Pengolahan Sinyal Digital <i>Digital Signal Processing</i>	5	2	C
40	RE1355	Sistem Mikroprosesor <i>Microprocessor System</i>	6	3	B
41	RE1356	Praktikum Konversi Tenaga Listrik <i>Electrics Power Conversion Lab.</i>	5	1	AB
42	RE1400	Analisis Sistem Tenaga I <i>Power System Analysis I</i>	5	2	C
43	RE1402	Mesin Arus Bolak-balik I <i>AC Machine I</i>	5	2	BC
44	RE1407	Teknik Tegangan Tinggi <i>High Voltage Engineering</i>	5	2	BC
45	RE1291	Kerja Praktek I <i>Field Practice I</i>	6	1	A
46	RE1362	Praktikum Sistem Pengaturan <i>Control System Lab.</i>	6	1	AB

No	Kode Code	Mata Kuliah Subject	Skor Score	Kr Cr	Nilai Grade
47	RE1401	Analisis Sistem Tenaga II <i>Power System Analysis II</i>	6	3	AB
48	RE1403	Mesin Arus Bolak-balik II <i>AC Machine II</i>	6	2	BC
49	RE1405	Elektronika Daya <i>Power Electronic</i>	6	2	BC
50	RE1406	Komputasi Cerdas <i>Intelligent Computing</i>	6	2	BC
51	RE1408	Pembangkit Tenaga Listrik <i>Electrics Power Generator</i>	6	2	B
52	RE1501	Perlengkapan Pusat Pembangkit Listrik <i>Power Generation Equipment</i>	6	2	AB
53	RE1502	Instalasi Tenaga Listrik <i>Electrics Power Installation</i>	6	2	AB
54	RE1503	Manajemen Energi Listrik <i>Electrical Energy Management</i>	6	2	AB
55	RE1516	Praktikum Teknik Tegangan Tinggi <i>High Voltage Engineering Lab</i>	6	1	AB
56	UG1202	Pengantar Ilmu Lingkungan <i>Introduction to Environmental Science</i>	6	2	AB
57	RE1404	Praktikum Mesin Arus Bolak-balik <i>Alternating Current Machines Lab.</i>	7	1	AB
58	RE1406	Praktikum Elektronika Daya <i>Power Electronic Lab.</i>	7	1	AB
59	RE1414	Sistem Pengaman Tenaga Listrik <i>Electrics Power Security System</i>	7	2	B
60	RE1415	Sistem Kelistrikan Industri <i>Industrial Electrical System</i>	7	2	BC
61	RE1416	Penggunaan Motor Listrik <i>Electric Motor Application</i>	7	2	B
62	RE1417	Peningkatan Kualitas Daya Listrik <i>Power Quality Improvements</i>	7	2	AB
63	RE1516	Peralatan Tegangan Tinggi <i>High Voltage Equipment</i>	7	2	AB
64	UG1306	Kewarganegaraan <i>Civics</i>	7	2	A
65	UG1307	Bahasa Indonesia <i>Indonesian</i>	7	2	A
66	TE091399	Tugas Akhir <i>Final Project</i>	8	4	A
67	UG1301	Agama Islam <i>Religion</i>	8	2	A
68	UG1308	Bahasa Inggris Lanjut <i>Advanced English</i>	8	2	BC
69	UR1201	Tekno Ekonomi <i>Engineering Economics</i>	8	2	B
Jumlah Kredit / Total of Credits			144		

## Catatan Nilai / Grade Explanation :

A : Istimewa / Excellent  
AB : Baik Sekali / Very Good  
B : Baik / Good  
BC : Cukup Baik / Sufficient  
C : Cukup / Fair  
D : Kurang / Poor  
E : Kurang Sekali / Very Poor

## Tugas Akhir / Final Project

Studi Pengurangan Arus Inrush Akibat Energizing Pada Transformator Daya Gardu Induk Krian 500 Kv Menggunakan Metode Sequential Phase Energization (SPE)  
*Study of Inrush Current Reduction as Result of Energizing at Power Transformer 500 Kv Krian Substation Using Sequential Phase Energization (SPE) Method*  
Pembimbing / Advisor : I Gusti Ngurah Satriyadi Hernanda, ST.,MT.  
Dr. I Made Yulistya Negara, S.T.,MSc.



Surabaya, 18 Februari 2010  
Dekan / Dean

Prof. Dr. Ir. Sulistijono, DEA.  
NIP. 198203261987011001